Sergio Arevalo

List of Publications by Citations

31 papers	235 citations	8 h-index	14 g-index
39 ext. papers	264 ext. citations	1.4 avg, IF	2.43 L-index

#	Paper	IF	Citations
31	Implementing unreliable failure detectors with unknown membership. *Information Processing Letters*, **2006**, 100, 60-63	0.8	44
30	On the implementation of unreliable failure detectors in partially synchronous systems. *IEEE Transactions on Computers*, **2004**, 53, 815-828	2.5	36
29	Efficient Algorithms to Implement Unreliable Failure Detectors in Partially Synchronous Systems. *Lecture Notes in Computer Science*, **1999**, 34-49	0.9	28
28	Optimal implementation of the weakest failure detector for solving consensus (brief announcement) **2000**,		21
27	Eventually consistent failure detectors. *Journal of Parallel and Distributed Computing*, **2005**, 65, 361-373	4.4	20
26	Integrating groups and transactions: A fault-tolerant extension of Ada. *Lecture Notes in Computer Science*, **1998**, 78-89	0.9	9
25	A Low-Latency Non-blocking Commit Service. *Lecture Notes in Computer Science*, **2001**, 93-107	0.9	9
24	An Ada library to program fault-tolerant distributed applications. *Lecture Notes in Computer Science* , **1997**, 230-243	0.9	8
23	Failure Detectors in Homonymous Distributed Systems (with an Application to Consensus) **2012**,		7
22	Failure detectors in homonymous distributed systems (with an application to consensus). *Journal of Parallel and Distributed Computing*, **2015**, 83, 83-95	4.4	6
21	Drago: An Ada extension to program fault-tolerant distributed applications. *Lecture Notes in Computer Science*, **1996**, 235-246	0.9	6
20	Eventual election of multiple leaders for solving consensus in anonymous systems. *Journal of Supercomputing*, **2015**, 71, 3726-3743	2.5	5
19	On the interconnection of message passing systems. *Information Processing Letters*, **2008**, 105, 249-254	0.8	5
18	A quick distributed consensus protocol. *Microprocessing and Microprogramming*, **1993**, 39, 111-114		5
17	Group Transactions **2002**, 253-271		4
16	Implementing the weakest failure detector for solving the consensus problem. *International Journal of Parallel, Emergent and Distributed Systems*, **2013**, 28, 537-555	1	3
15	Minimal System Conditions to Implement Unreliable Failure Detectors **2006**,		3

List of Publications

14	Fault-tolerant broadcast in anonymous systems. *Journal of Supercomputing*, **2015**, 71, 4172-4191	2.5	2
13	Communication-efficient and crash-quiescent Omega with unknown membership. *Information Processing Letters*, **2011**, 111, 194-199	0.8	2
12	Fault tolerant distributed Ada. *ACM SIGAda Ada Letters*, **1989**, IX, 54-59	0.4	2
11	Exception Handling and Resolution for Transactional Object Groups. *Lecture Notes in Computer Science*, **2001**, 165-180	0.9	2
10	Plan B: Boxes for networked resources. *Journal of the Brazilian Computer Society*, **2004**, 10, 33-44	1.9	1
9	Using interpreted CompositeCalls to improve operating system services. *Software - Practice and Experience*, **2000**, 30, 589-615	2.5	1
8	Implementing transactions using Ada exceptions. *ACM SIGAda Ada Letters*, **2001**, XXI, 64-75	0.4	1
7	Concurrency Control in Transactional Drago. *Lecture Notes in Computer Science*, **2002**, 309-320	0.9	1
6	Batching: A Design Pattern for Efficient and Flexible Client/Server Interaction. *Lecture Notes in Computer Science*, **2009**, 48-66	0.9	1
5	Uniform reliable broadcast in anonymous distributed systems with fair lossy channels. *Computing (Vienna/New York)*, **2020**, 102, 1967-1999	2.2	
4	A fault-tolerant server on MACH. *Microprocessing and Microprogramming*, **1993**, 38, 793-800		
3	Towards a Grand Unified Framework for Mobile Objects. *Lecture Notes in Computer Science*, **1998**, 317-318	0.9	
2	Efficient and Extensible Multithreaded Remote Servers?. *Lecture Notes in Computer Science*, **1999**, 91-102	0.9	
1	Set Agreement and the Loneliness Failure Detector in Crash-Recovery Systems. *Lecture Notes in Computer Science*, **2013**, 13-27	0.9	